

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: March 21, 2016
	Agenda Item No. 32D Roll Call No. <u>16-483</u> Communication No. <u>16-137</u> Submitted by: John Newman, CIO, Information Technology Department

AGENDA HEADING:

Approving exception to competitive procurement process for fit and compliance with required use and approving purchase of NetDesigner software for fiber optic network management from Enghouse Networks Limited.

SYNOPSIS:

NetDesigner is the information system used by Iowa Communication Network (ICN) for managing the MetroNet fiber optic network, which is jointly owned by the City of Des Moines, ICN, and the Des Moines Public School (DMPS) District.

This action approves the purchase of NetDesigner software from Enghouse Networks Limited, 80 Tiverton Court, Suite 800, Markham, Ontario L3R 0G4, Canada and exempts the procurement from competitive bidding requirements for fit and compliance with required use shown, pursuant to Sections 2-726(a)(7) of the Municipal Code of the City of Des Moines as reviewed by the City Manager’s Office.

FISCAL IMPACT:

Amount: \$31,200

Funding Source: CIP FY2016/17-2021/22, MS015, C051EG99, Miscellaneous Improvements City Fiber Network, page 4

ADDITIONAL INFORMATION:

- The City’s communication system including phones, emergency dispatch, traffic signals, and computer data systems depend on a City-wide fiber optic network that traverses City right-of-way and connects City buildings.
- The City has been able to install the necessary fiber optic infrastructure to maintain effective communications through a cost-sharing agreement with ICN and DMPS called “MetroNet.” The City, ICN, and DMPS all utilize the MetroNet fiber optic infrastructure, and management of the network is closely coordinated among the parties.
- ICN has acquired the NetDesigner system for the mapping and management of its networks including MetroNet. The City requires this software purchase in order to connect to ICN’s NetDesigner system and seamlessly manage the MetroNet and other City-owned fiber optic assets.

- Additionally, the City will require engineering consulting services to populate the NetDesigner system with maps and information about the fiber optic network, and a recommendation to approve a contract for those services will be provided to the City Council in a future action.
- When fully implemented, the NetDesigner system will provide a way for City Information Technology and Engineering staff to make timely decisions about the communications network in case of an emergency outage, for example, and to more effectively coordinate changes to the MetroNet with ICN and DMPS.
- This action supports the GuideDSM goal of “Upgraded City Infrastructure and Buildings.”

PREVIOUS COUNCIL ACTION(S):

Date: December 7, 1998

Roll Call Number: 98-3773

Action: Approving Supplemental Agreement Nos. 2 and 2A, between the City, Des Moines Independent School District and the Iowa Telecommunication and Technology Commission, operating the Iowa Communications Network, (ICN), establishing and providing for planning, design, construction, operation and maintenance of a shared communications system and construction of first segment to be known as the "East Side Hub". ([Council Communication No. 98-539](#)). Moved by Vlassis to adopt. Motion Carried 5-1. Absent: Flagg. McPherson declares a conflict of interest, and abstains from voting.

BOARD/COMMISSION ACTION(S): NONE**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Approving agreement for engineering consulting services to convert fiber optic network maps and data into the NetDesigner fiber optic network management system.

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